

PATENT CLAIMS

1. A plug or socket comprised of several individual parts or subassemblies (1 to 5) of a quick-connect plug connection, the subassemblies (1 to 5) comprising at least one metal or metallized casing and wherein at least one conductor (6.3) of a multiconductor cable (6) is connectable with one contact (1.1) of the plug or socket by a press fit and the cable (6) has a shielding and the plug or socket is constructed to connect with the shielding when the subassemblies (1 to 5) are put together, characterized in that there is a separate contact element that forms the electrical connection between the casing and the shielding when the subassemblies (1 to 5) are put together.

2. The plug or socket according to claim 1, characterized in that the shielding of the cable (6) is a shield braid (6.2) and the electrical connection between a housing part (4.1) of the plug or socket and the shield braid (6.2) is made by a contacting element (4.4) formed as an iris spring.

3. The plug or socket according to claim 1, characterized in that the shielding of the cable (6) is at least one of several conductors (6.3) and the electrical connection between the one housing part (4.1) of the plug or socket and the contact (1.1) is made by a contacting element (13).

4. The plug or socket according to claim 1, 2, or 3, characterized in that the contact (1.1) has at least two press-fit arms (1.4) that are of curved and/or polygonal cross section and that contact the conductors generally axially.

5 5. The plug or socket according to one of claims 1 to 4, characterized in that the press-fit arms (1.4) are fixable at least partially in one wire holder (7) of a part of one of the subassemblies.

10 6. The plug or socket according to claim 5, characterized in that conductor seats (7.1) taper on one side at a deflecting surface 7.4) to a cross section such that an end of the conductor is poked between the press-fit arms (1.4).

15 7. The plug or socket according to one of the preceding claims, characterized in that the press-fit arms (1.4) extend generally axially of the socket or plug.

20 8. The plug or socket according to one of the preceding claims, characterized in that the wire holder (7) has several conductor seats (7.1), some of the conductor seats (7.1) being distributed symmetrically around a central conductor seat (7.1) or around a longitudinal axis of the plug or socket, each conductor seat (7.1) holding a contact (1.1).

9. The plug or socket according to claim 8, characterized in that one or several of the contacts (1.1), preferably the one in the central seat (7.1) is connected with a contacting element (13).